

Work Order ID 60289

July 1, 2010 11:30:17 AM

Page 1

Item ID: D2230-1

Accept

Setup Start

Revision ID:

Stop

Item Name: Lug

Start Date: 01/07/2010 Start Qty: 160.00

Cust Item ID:

Required Date: 22/07/2010 Req'd Qty: 160.00

Customer:

Reference:

Run Start

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D2230

Rev F

100

0.00



BAND SAW

Bandsaw

Memo

0.00

Jeaspa Bandsaw

Cut D2423 extrusion to 0.82"
Batch: 45800

110

0.00



HAAS CNC VERTICAL MACHINING #1

HAAS 1

0.00

HAAS CNC vertical machine #1

Memo

1-Machine per folio FA927

DWG REV: G

FOLIO REV: AA

(Check for crack while loading into the machine.)

2- deburr rough edges

Handwritten notes:
DTP 10/07/06 / mjs 10/07/13

Handwritten: 160 0

Handwritten: 160 0

Work Order ID 60289

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Item ID: D2230-1

Accept

Revision ID:

Item Name: Lug

Start Date: 01/07/2010 Start Qty: 160.00

Required Date: 22/07/2010 Req'd Qty: 160.00

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

130

QC8- Inspect parts - second check

0.00



QC

Memo

0.00

Quality Control

140

Chemical Conversion Coat per QSI005 4.1

0.00



HandFinish

Memo

0.00

Hand Finishing



Cust Item ID:

Customer:



DIY 10/07/06 / MJS
10/07/13

amr 10/07/13

160 Bk 10-7-14.

160

0

160

0

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Item ID: D2230-1

Accept

Revision ID:

Item Name: Lug

Start Date: 01/07/2010 Start Qty: 160.00

Required Date: 22/07/2010 Req'd Qty: 160.00

Reference:

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

150

QC3- Inspect Part Finish

0.00

M 10/07/11

160

6

QC

Memo

0.00

Quality Control

160

White Gloss(Ref:4.3.5.1) per OSI005 4.3-Alum

0.00

M 11/14/11

0.00

Memo

START TIME: 8:00

OVEN TEMPERATURE: 3200

FINISH TIME: 8:30

160 BR 10-17-19

Powdercoat

Powder Coating

170

QC3- Inspect Part Finish

0.00

M 10/07/19

160

QC

Memo

0.00

Quality Control

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives of the project. These objectives should be clear, measurable, and achievable.

3. The third step is to develop a plan of action. This involves determining the steps that need to be taken to achieve the objectives and assigning responsibilities to team members.

4. The fourth step is to implement the plan. This involves carrying out the tasks and activities that have been planned.

5. The final step is to evaluate the results of the project. This involves comparing the actual outcomes with the objectives and identifying any areas for improvement.

Page 4

Accept

1. The first step in the process is to identify the problem. This involves gathering information about the situation and the people involved.

2. Once the problem is identified, the next step is to analyze it. This involves breaking the problem down into its components and understanding how they are related.

3. After analyzing the problem, the next step is to develop a plan. This involves deciding on the best course of action to take.

4. The final step is to implement the plan. This involves putting the plan into action and monitoring the results.

5. Once the plan is implemented, the next step is to evaluate the results. This involves comparing the actual results to the expected results and determining if the plan was successful.

6. If the plan was not successful, the next step is to revise it. This involves identifying the reasons for the failure and making changes to the plan.

7. The final step is to document the process. This involves writing a report that describes the problem, the analysis, the plan, the implementation, and the results.

8. The report should be shared with the relevant stakeholders so that they can learn from the experience and avoid similar problems in the future.

9. The process of problem-solving is an ongoing one. It is important to continue to learn and improve as you encounter new challenges.

10. By following these steps, you can effectively solve any problem that you encounter.

Setup Start

Stop

1. The first step in the process is to identify the problem. This involves gathering information about the situation and the people involved.

2. The next step is to analyze the problem. This involves breaking the problem down into smaller parts and identifying the causes.

3. The third step is to develop a plan. This involves deciding on the best way to solve the problem and setting goals.

4. The fourth step is to implement the plan. This involves putting the plan into action and monitoring progress.

5. The final step is to evaluate the results. This involves assessing the effectiveness of the solution and making adjustments if necessary.

Cust Item ID:

1. The first step in the process is to identify the problem. This involves gathering information about the situation and understanding the needs of the stakeholders involved.

2. Once the problem is identified, the next step is to develop a plan. This involves setting goals, identifying resources, and determining the steps that need to be taken to address the problem.

3. The third step is to implement the plan. This involves putting the plan into action and monitoring progress to ensure that the goals are being met.

4. Finally, the fourth step is to evaluate the results. This involves assessing the effectiveness of the plan and making adjustments as needed to improve the outcome.

Customer:

Reference:

Run Start

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Operation Description

Set Up/ Run Hours

Tool ID

Tool #**Plan
Code**

**Accept
Qty**

Reject
Qty

**Reject
Number**

**Insp.
Stamp**

180

Identify as per dwg & Stock Location:

0.00

0.00

Packaging

Memo

Packaging

190

QC21- Final Inspection - Work Order Release

0.00

QC

Memo

0.00

Quality Control

10/07/23

mt-

10-7-22

Picklist Print

July 1, 2010 11:30:17 AM

Page 1

Work Order ID: 60289

Parent Item: D2230-1

Parent Item Name: Lug




Start Date: 01/07/2010

Required Date: 22/07/2010

Start Qty: 160.00

Required Qty: 160.00

Comments: IPP ☐ D ☐ 00.11.01 ☐ Added inspection level 8, and removed P/O for powder coat ☐ EC ☐

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2423  Lug Extrusion		Manufactured	No			110		425.4002	0.0683	11.50316			

Location

Loc Qty

Loc Code

MAT06

425.4001895

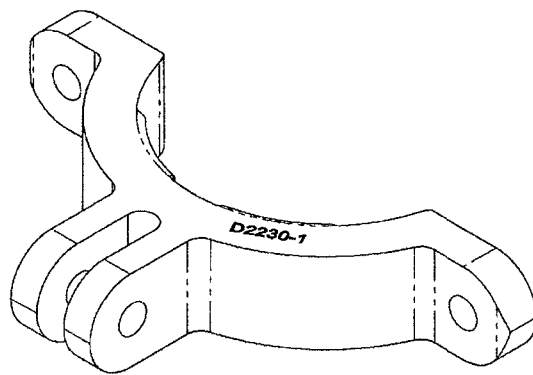
43722

180

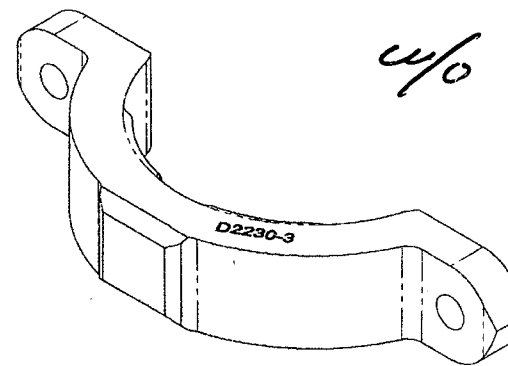
→ 45800

245.400189

11,50316 DJ 10/6/06



D2230-1 MOUNTING LUG



D2230-3 MOUNTING LUG

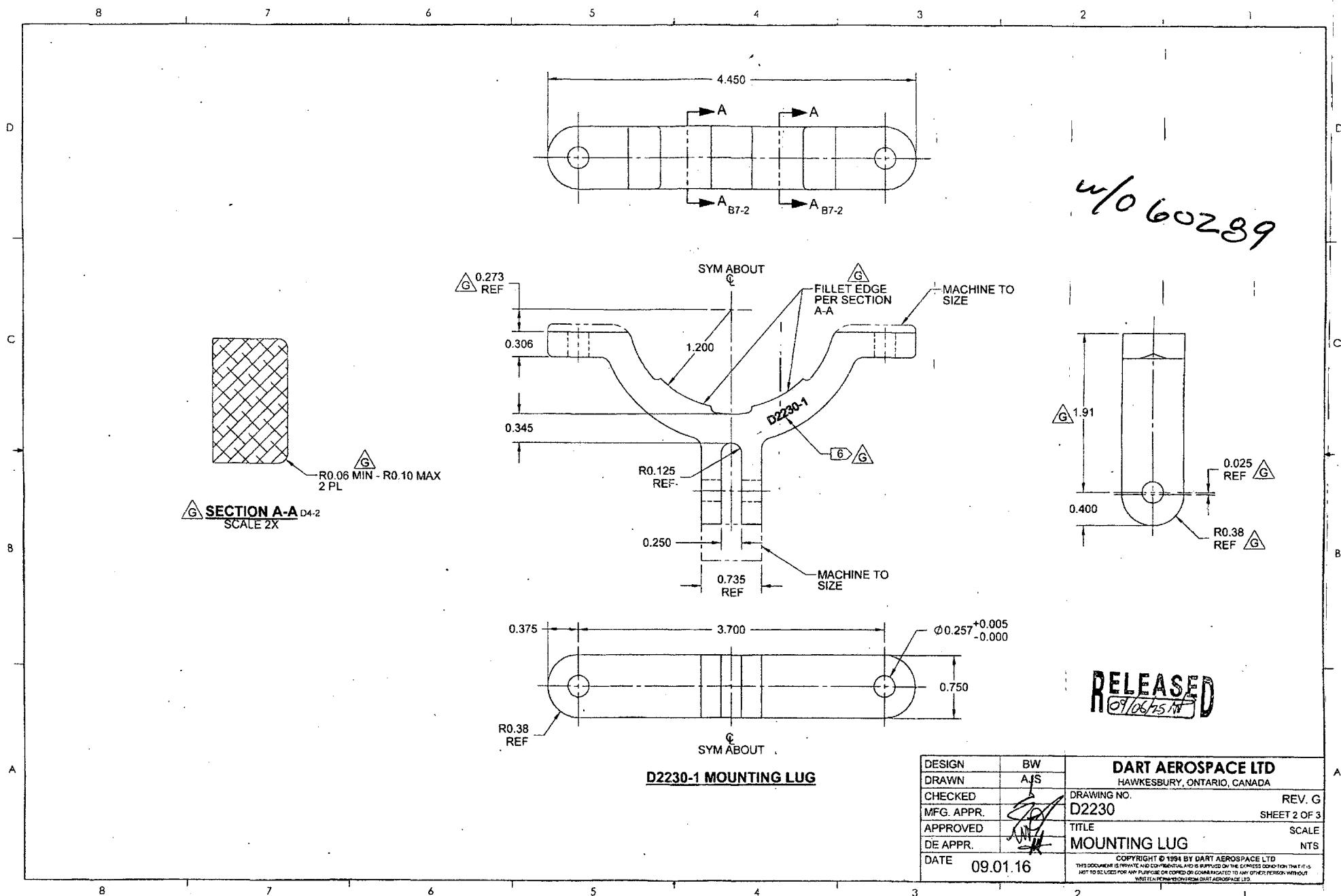
RELEASED
9/15/01

G	REDRAWN IN SOLIDWORKS TO CURRENT DESIGN STANDARDS. REFER TO SECTION A-A & B-B FILLET ADDED TO PREVENT CHAFING OF RUBBER CUSHION ON INSTALLATION.	AJS	09.01.16
F	REDESIGN; R1.200 WAS 1.100	CP	99.12.13
E	RE-DESIGN	BW	95.01.04
D	RE-DESIGN	BW	95.01.04
C	RE-DESIGN	BW	94.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2230	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
DATE	09.01.16	<small> COPYRIGHT © 1994 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS LOANED ON THE CONDITION THAT IT BE NOT TO BE USED FOR ANY PURPOSE OR FOR ANY COMMUNICATION TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD </small>	



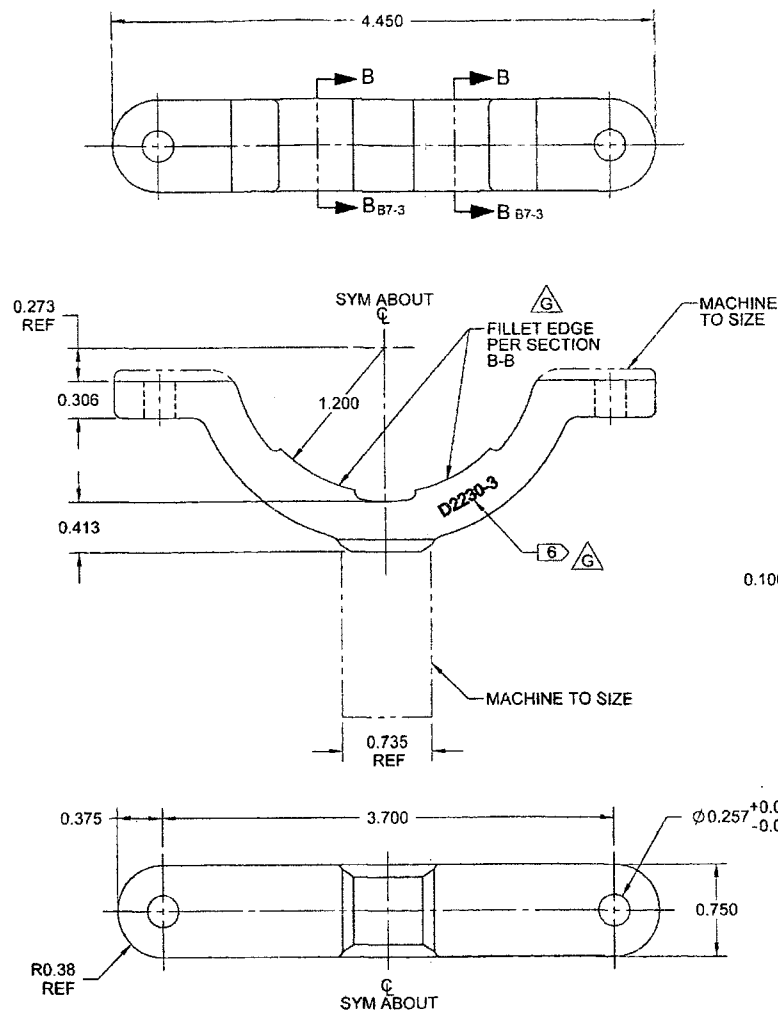
NOTES:

- 1) MATERIAL: MAKE FROM D2423 EXTRUSION
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART NUMBER TO A DEPTH OF 0.010±0.005 IN THIS LOCATION, WITH TOOL TIP RADIUS OF 0.015±0.005.
- 7) WEIGHT: -1: 0.16 lbs
-3: 0.14 lbs



SECTION B-B D4-3
SCALE 2X

R0.06 MIN - R0.10 MAX
2 PL



D2230-3 MOUNTING LUG

DESIGN	BW	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D2230	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
DATE	09.01.16	COPYRIGHT © 1994 BY DART AEROSPACE LTD	
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W/O 60289

RELEASED
09/06/2016